

Title (en)

COCHLEAR IMPLANT FITTING VIA EFFERENT NERVE FIBERS

Title (de)

EINSETZEN EINES COCHLEA-IMPLANTATS ÜBER EFFERENTE NERVENFASERN

Title (fr)

POSE D'IMPLANT COCHLÉAIRE PAR L'INTERMÉDIAIRE DE FIBRES NERVEUSES EFFÉRENTES

Publication

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Application

EP 16702235 A 20160107

Priority

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Abstract (en)

[origin: WO2016112150A1] A system for frequency matching a cochlear implant during fitting includes a tissue stimulation device configured to generate a tonal stimulus to mask efferent nerve fibers in a subject, one or more response measurement contacts configured to measure CAP signals during and outside of a refractory period, a frequency matching module in communication with the response measurement contacts and configured to receive the CAP signals during and outside of the refractory period to determine a stimulation location on the cochlear implant based on a comparison of the received CAP signals both during and outside of the refractory period, and a parameter adjusting module in communication with the frequency matching module and configured to interface with the cochlear implant and to adjust its processing parameters based on the stimulation location. Methods for frequency matching a cochlear implant during fitting are also disclosed.

IPC 8 full level

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